

# THE UNIVERSITY OF WOLLONGONG CAMPUS NEWS

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Editor: George Wilson, tel. (042) 270926

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## UNIVERSITY BENEFITS FROM STUDENT EMPLOYMENT SCHEME

In 1981 the Illawarra Credit Union set up a scholarship at the University to assist undergraduate students.

Instead of a direct award, the Union created an employment scheme to help students finance their studies and gain work experience in an area relevant to their future careers.

University departments benefit also in being able to employ part-time assistance to help with departmental activities.

The Illawarra Credit Union hoped this scheme would encourage the establishment of other employment based schemes.

This year 24 students have been selected. They will be employed in 17 departments in jobs ranging from front-of-house duties with Theatre South, research into Nursing services, and assisting in laboratories.

Presentation of the 1986 instalment was held on Thursday May 22.

### INITIATIVES IN ADVANCED EDUCATION TO INCREASE PARTICIPATION AND EQUITY

The University has received copies of a discussion paper entitled Initiatives in Advanced Education to Increase Participation and Equity which was prepared by the Advanced Education Council Working Party on Course-related matters. The Working Party was established in response to the government's request in the Guidelines for the 1985-87 Triennium for advice on measures which could be taken to enhance participation and equity.

The purpose of the paper is to promote a wider awareness and discussion of issues affecting participation and equity



*Left and above are pictures taken at the presentation of awards. On the left the University Secretary Mr Ken Baumber accepts a cheque to the value of \$10,000 from the Illawarra Credit Union Manager Mr Barry Kelly. Above, winner of the Illawarra Credit Union Scholarship, Wollongong University student Rino Stella, with the equipment he will use in the study of chemical compounds found in asthma and arthritis sufferers*

in advanced education and to make suggestions about possible future action. Some of the issues explored include: entry requirements and selection procedures; supplementary and bridging courses; transfer courses; and the tiering of courses.

The University has been invited by the CTEC to comment on the issues raised in the paper by June 30.

Any member of staff who is interested in reading the report and commenting on the recommendations should contact Trish Tindall (ext 3945) or Jan Sullivan (ext 3918), to arrange for a loan of a copy of the report. An overview of the discussion paper presented in brochure form is also available.

## General Notices



*Mr Allan House—founder of Know Ware Pty Ltd (see article below)*

### POWERFUL NEW SOFTWARE SUPPORTS NEW AUSTRALIAN EDUCATION DATABASE

A powerful new authoring system for database software was used to configure 'The Australian Explorers' program released this week by the Wollongong-based education developer, Know Ware Pty Ltd.

With advance orders for 300 units of the \$110 program already in hand, the Explorers product is expected to sell over 1000 units in the first 12 months, eclipsing the success of the first Know Ware database program based on the history of Australian bushranging. According to figures released by the key Eastern states education software distributors, 'Australian Bushrangers' was among the five best-selling education software products in Australia in 1985.

Sales of over 1000 units give a 'platinum' statue to an education program in the Australian market.

The authoring system developed from the Bushranger prototype will allow Know Ware, rapidly and inexpensively, to produce a large number of database products directly relevant to Australian curricula, according to managing director Allan House.

'Powerful software in the form of an authoring system overcomes the principal problem for Australian developers—that of market size related to development cost,' House says.

'With the Bushranger project we stayed out of the mainstream subjects in the history curriculum, principally because we identified a high pentup demand for Australian software of this type. We needed to be able to assess actual demand for the software based on the quality of the interface and the program functions.'

The Bushranger program was released in February 1985, after some 2,500 man-hours of development. The Victorian Department of Education was an early bulk customer and the product is now on the 'recommended purchase' list for all Australian state education departments.

After the release of Bushranger product, House gained substantial support from specialists within Australian education who advised on the development of the program interface between the child and the computer. The result is claimed to be an entirely unique delivery system for educational databases, combining a sophisticated text manager, a high level database and graphics capability.

#### **Software performance**

A substantially enhanced version of the authoring system

is utilised in the new Australian Explorers program. The database utility follows a hierarchical format with records of variable lengths stored in defined fields. A search formula can involve up to four fields. Disk access is fast-limited only by the Apple hardware.

A query/word search utility allows single or all files to be searched for words, parts of words or a combination of words using an 'And/Or' connector. In the context of history a search may be structured through time periods using the 'Before', 'After' and 'From/To' commands.

Individual records and the results of all analyses can be printed.

#### **Program content**

Supported with full documentation and activity sheets suitable for both primary and secondary school use, the Australian Explorers database contain 150 records with up to 96 fields each. There are five 'general subject area' files and 32 individual explorer 'story files'.

More than 200,000 characters make up a substantial base of information on the exploration phase of Australian history, compacted to run on a Apple II Plus with 48K RAM or any subsequent Apple II model.

Know Ware does not intend to port the software to any other operating system in the meantime.

'There is insufficient installed base of MS-DOS hardware in Australian schools to make porting economic for a developer. We have approached the hardware suppliers for assistance here, but they don't seem to be interested in supporting Australian education software,' House claims.

#### **Company background**

Know Ware was formed in 1984 by Allan House and is a further spin-off from The University of Wollongong program to bring university innovation to the commercial market. The company is based at the Illawarra Technology Centre in Wollongong, which is a joint venture between the NSW State Government, the Commonwealth Government and The University of Wollongong.

House was previously manager of the microcomputer laboratories at the university and was responsible there for the creation of the first microcomputer laboratory in a tertiary institution in Australia, featuring Apple II equipment. Five such laboratories are now in use on the campus.

Issued on behalf of Know Ware Pty Ltd, Illawarra Technology Centre, 323 Keira Street, Wollongong 2500, by Communication Solutions Australia Pty Ltd.

Contact: Know Ware—Allan House (042) 285513, CommSol—Mike Buchanan (042) 27 3300.

### GEOGRAPHERS WENT WEST

During the May recess the Institute of Australian Geographers held its Twenty-first Conference at the University of Western Australia, in Perth. In spite of the significant costs involved Professor Murray Wilson and Dr Ann Young, Research Associate and regular part-time Lecturer in the Department of Geography, both attended and actively participated in what was generally agreed to be a very successful (more than 220 registrants) and simulating conference.

Dr Young presented a paper Cavernous Weathering; Process and Significance and, in addition, Chaired one of the Process Geomorphology Section Sessions. Professor Wilson presented a formal paper, Delayed Childbearing in New South Wales, to the Population Geography Section and also provided the keynote paper to the pre-conference meeting of the Heads of Australian Departments of Geography on First Year Teaching—The Australian University Experience, which summarised and evaluated the responses to a detailed questionnaire survey of University Departments of Geography conducted at the request of the Heads at their 1985 meeting.

A briefer, less-frank version was also read as a paper to one of the Educational Sessions of the full conference. On both occasions significant discussion was generated by some of the material. As a result, a full written version of this

report will be produced for distribution to all Geography Departments. Professor Wilson's paper on delayed child-bearing also stimulated some interest, including 20 column inches of commentary in one of the Sunday papers (including the five column banner headline Boom in Births For Over-30s).

It was pleasing to discover that the Department of Geography at Wollongong now attracts more students than such institutions as Melbourne, Adelaide, the ANU, Flinders, W.A. and Tasmania, not to mention Newcastle and James Cook and, as well, has a significantly larger postgraduate student population than several departments in older established metropolitan universities.

In staffing terms, even after taking into account the new lectureship just acquired, however, we rank as the second smallest Department, after the ANU. As a result, the student: staff ratio here continues to be significantly out-of-kilter with those elsewhere. It was also interesting to learn that in several departments (including some considerably smaller than this) substantial investment of staff and financial resources is being made in the areas of remote sensing and Geographic Information Systems. This suggests that our own determination to commit resources to (at least) the first of these in the near future is not just wise but essential, if our graduates are to compete successfully with those from better-endowed Departments in this or other states.

**CONFERRING OF DEGREES OR DIPLOMAS**

A Graduation Ceremony will be held on October 31. Students who expect to complete the requirements for their degrees or diplomas at the conclusion of Session 1 (or who have previously completed requirements and not taken out the degree or diploma) and who wish the award to be conferred at the October Graduation Ceremony, must submit an application for the conferral of the award by June 8. Application forms are available from the Student Enquiry counter.

Awards will not be conferred unless an application is submitted.

**NOTE FOR INTENDING HONOURS STUDENTS**

Regulations 15(4) and 15(5) of the Bachelor Degree Regulations impose restrictions in relation to taking out a pass degree and then proceeding to an honours degree. Intending honours students who wish to take out the pass degree should enquire from Student Enquiries concerning the relevant conditions before submitting an application for the award of the pass degree.

**NEW PRIZES**

The following new prizes were approved by the University Council at its meeting of April 18. The Elizabeth Tague Prize is to be awarded to the student presenting the best mining project. The Philip Larkin Prize is to be awarded to the student presenting the best piece of verse in the writing major subjects. Further details from Jane Jennings, Academic and Student Services.

**PRESENTATION ON PLANETARIUM GIVEN FOR DUKE OF EDINBURGH STUDY GROUP**

In the article printed in *Campus News* for May 27 giving details of the study group's visit to the University on Sunday May 25, we omitted to mention the contribution to the day's activities by Dr Glen Moore of the Physics Department. Dr Moore presented a talk and visual presentation on the Planetarium.

**COMBINED UNION MEETING**

Combined meeting of unions to discuss the proposed new parking regulations: Mr K Baumber, University Secretary, will be in attendance to speak on the proposals Thursday June 5 at 12.30 pm. Pentagon theatre No 1.

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**1987 ACADEMIC CALENDAR**

The academic calendar for 1987 was approved by Council on April 18.

Summer Session	December 8—December 19, 1986 2 weeks December 22—January 2, 1987 2 weeks recess January 5—February 6 5 weeks February 9—February 13 1 week examinations	
Session 1	February 23—April 19 8 weeks April 20—April 26 1 week recess April 27—June 7 6 weeks June 8—June 14 1 week study recess June 15—June 28 2 weeks examinations June 29—July 12 2 weeks mid-year recess	School holidays (April 16—25) AVCC week (July 6-12) and School holidays (July 5-18)
Session 2	July 13—August 23 6 weeks August 24—September 6 2 weeks recess September 7—November 1 8 weeks November 2—November 8 1 week study recess November 9—November 29 3 weeks examinations	AVCC week (August 24-30)

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**DIRECTORY OF AUSTRALIAN DIRECTORIES**

Directories are a valuable source of information from which to find out who, what and where in a variety of fields. But despite their potential usefulness, directories themselves are hard to find.

The Library Association of Australia intends to publish a 'Directory of Australian Directories' which will give descriptions and availability detail of, and subject indexes to, directories published in and relevant to Australia.

This will provide, for the first time in Australia, a national means of establishing contact between producers and users of directories of all types.

I would like to appeal to your readers for assistance by providing me with information on any directories which they may produce, and request that they write to me to provide directory name and publisher contact details and, if possible, forward a copy of each directory; this will minimise later follow-up action.

Contact: R.S. Reid, 1 Ian Street, North Ryde, NSW 2113.

**CALL FOR CONTRIBUTIONS FOR SCARP 9**

All staff and students are invited to submit material for SCARP 9. Material accepted will be paid for.

We are looking for good quality poetry, prose fiction, black and white graphics and photography.

Also being sought are articles on literature, the arts in general, and interrelationships between science, technology and the arts.

Material should be sent to Ron Pretty, (3867), School of Creative Arts, University of Wollongong.

Closing date for submissions for SCARP 9 is September 1.

NOTE: SCARP 8 is now available at the University Co-operative Bookshop. \$2.50 a copy.



# General Notices

## CAMPUS INTERVIEW PROGRAM 1986

### 1. AUSTRALIAN BUREAU OF STATISTICS—TUESDAY JULY 15

Representative from the Australian Bureau of Statistics will be visiting the campus on Tuesday July 15 to talk to final year students from the following disciplines:

Accountancy  
Computing Science  
Demography  
Economics  
Geography  
Mathematics  
Psychology  
Social Sciences  
Sociology  
Statistics

### 2. I.B.M.—THURSDAY JULY 17

Representatives from I.B.M. will be visiting the campus on Thursday July 17 to give a lunchtime presentation to all final year students who may be interested in Systems Information (this would apply in particular to computing students).

### 3. INTERVIEW PROGRAM—MONDAY AUGUST 4—FRIDAY AUGUST 8

The program for the Careers Week has not yet been finalised. Details will be available in July.

Bookings for the program *must* be made. Call in to the Counselling Centre and make your appointments as soon as possible—places are limited.

## \$500 PRIZE FOR BEST STRATEGY

The Australian Graduate School of Management announces that it will run a competitive-strategy computer tournament, first prize \$500 (winner take all). The tournament takes the form of three-person game in which the object is to maximise one's profit by finding robust, effective strategies for oligopolistic pricing. The problem is formulated as a three-person prisoner's dilemma (that is, each firm has an incentive to cut its price, but collusion is more profitable than are price wars). Participants are asked to submit a FORTRAN IV or F77 computer algorithm to compete against other computer algorithms in a round-robin tournament.

Enquiries and requests for further information (including detailed example strategies and details of an identical tournament to be run by the Massachusetts Institute of Technology in September) should be sent to Robert Marks or Pam Morrison, AGSM — UNSW, PO Box 1, Kensington NSW 2033, telephone: (02) 662 0300.

## NEED FOR INITIATIVE IN AUSTRALIAN MANUFACTURING

At the recent Robotics in Australia's Future Conference held in Perth a total of seven papers was presented by engineers and researchers from The University of Wollongong and the Automation and Engineering Applications Centre Ltd (AEAC). Research papers covering work done by Ph.D and Masters students working under the supervision of AEAC's Managing Director covered areas such as navigation for mobile robots, low-cost laser-vision systems, and control strategies for manipulator arms. In addition, case studies covering automation systems installed in factories were presented by AEAC engineers.

The Conference attracted over 90 registrants and was a credit to the organisers, The Australian Robot Association. Over half the registrants were from the Eastern States.

The quality of papers by Australian authors was considered by visiting overseas keynote speakers to be at least equal to those given at the Robots 10 International Conference in Chicago earlier this month, so lending credence to the suggestion that there is no shortage of native creative talent and ability in Australian automation research and development.

The problem is that the will to implement modern techniques in our factories is lacking, and this inability is destroying our manufacturing industry and, inevitably, Australia's standard of living.

More Australian initiatives to *Implement* manufacturing technology in factories are required, but the Automation and Engineering Applications Centre, funded by the Commonwealth Government and supported by the University of Wollongong and the NSW Government, is currently the only organisation set up for such implementation.

## DEPARTMENT OF SCIENCE

The Department of Science is planning a Directory of Materials Research and Development Capabilities, and Facilities in Australia.

Information for inclusion in the Directory is being sought through circulation of a questionnaire to all organisations performing or believed to be performing materials research and development, and also selected technical services and consulting organisations.

Any Departments in the University which have not received a questionnaire which wish to respond are asked to contact: The Secretary, Mr N McAuslan, Department of Science, PO Box 65, Belconnen ACT 2616, or phone Neil McAuslan on (062) 64 4280.

## HISTORY OF THE NSW RAILWAY

The State Rail Authority has decided to commission a history of the NSW Railways since the first line was built in 1855 until the present day.

It is to be a scholarly and balanced work which will be a major contribution of the history of the development of the State and also of the nation.

A writer is sought for the work with experience and previous ability in Australian Historical Studies. Appropriate academic qualifications are desirable, but the prime need is for a person who is capable of lucid and imaginative writing.

Applications close on June 12.

## JOINT STUDY OF TRAINING NEEDS RELATING TO EXPANDED USE OF COMMUNICATIONS MEDIA IN VOCATIONAL EDUCATION AND INDUSTRY TRAINING

The Australian Film and Television School, the Commonwealth Department of Education and the National Training Council are jointly funding a study of training needs for expanded use of instructional television and video.

The study will research the nature and extent of the training which instructors and training personnel will need to enable them to make better and more extensive use of television, video and other communications media including interactive video.

The three organisations are now seeking a consultant to undertake this study.

Applications close on June 13.

## BRITAIN AUSTRALIA VOCATIONAL EXCHANGE

BAVE has three main objectives: to help students' understanding of working-life by creating studies-related jobs; to enable students to travel and experience life in another country; to promote greater understanding between the people of Britain, Australia and New Zealand.

The Scheme is run on behalf of the BAVE Trust by the

Careers Research and Advisory Centre, known as CRAC and based in Cambridge. BAVE is supported fully by the Australian, New Zealand and United Kingdom governments and has been operating for 23 years. So far, over 3,000 students have benefited.

BAVE is reciprocal and is open to all full-time degree students in Britain, Australia and New Zealand. Successful students travel abroad for three months in their long vacation and take up eight weeks studies-related work followed by four weeks travel. The number of students taking part in BAVE increases all the time and many employers offer work on a regular basis.

## WORK PLACEMENTS

Jobs for students are arranged in two different ways.

1. Student applications supported by confidential tutors reports are processed by BAVE and circulated to potential employers who select their own candidate and return details of the job through BAVE.

2. BAVE applicants who know already of a possible job placement, or have found an interested employer through their own contacts, can be included in the BAVE scheme as soon as the job has been formalised on a standard 'BAVE Offer of Employment Form'.

Details at *Campus News*.

## NETWORK COORDINATOR

The International Center for Living Aquatic Resources Management (ICLARM), headquartered in Manila, Philippines, has an opening for a fisheries-aquacultural economist to co-ordinate the Asian Fisheries Social Science Research Network, an association of eight universities and research institutions in Southeast Asia.

The primary goal of the Network is to build national research capacity to address important socioeconomic issues in the management of capture fisheries and the development of the aquaculture industry. Specifically the Network aims to:

- develop national programs of professional training in fisheries and aquacultural socioeconomics,
- develop strong, well-trained teams of social scientists to take the lead in fisheries and aquacultural socioeconomic research and training,
- develop and implement medium and long-term programs of socioeconomic research on problems of fisheries and aquaculture.

Details at *Campus News*.

## Concerts, Exhibitions and Entertainment

### FOR PEACE

In last week's issue of *Campus News* we announced the Illawarra Choral Society's Concert For Peace, to have been held on Monday June 2—yesterday. We were informed, too late to withdraw the notice, that the concert had had to be postponed.

### A TRIBUTE TO PETER I. TCHAIKOVSKY

Program: Introduction to Tchaikovsky and his music. His famous A Minor Piano Trio, Aria & Romances, and well known Violin and Cello Melodies

Guest Artists: Vera Troitsky—Soprano, Tony Bonetti—Violin, Gregori Elmaloglou and Nadia Kokot—Piano

Wollongong Town Hall Theatre, Friday July 18 at 8 pm.

Tickets will be available from keyboard clinic—286297 (opposite Town Hall). Admission \$9, Concession \$5.

## EEO news...

### WHAT EEO IS NOT

Many men who have attended the Equal Opportunity Information Sessions have expressed surprise that EEO had anything to do with them at all.

There is widespread misunderstanding that EEO programs mean preference for women in employment. They think that if a vacancy exists and a qualified woman applies, she must get the job over a male competitor. WRONG.

Equal Employment means selecting the best applicant, male or female, in open competition. It is not positive discrimination for women (or migrants, or Aborigines, or the disabled).

Some people point to the fact that more women are appearing now in positions where they never appeared before—at senior levels and in jobs where once only men worked. TRUE.

But this reflects the lifting of barriers to women which existed like:

False assumptions about their capacities; eg; to supervise or to do certain kinds of work.

False assumptions about their commitment to work;

False assumptions about their acceptance with co-workers; and

Rules which affected more women than men, eg; seniority systems which did not allow for breaks in service.

Some of these factors have changed and so more women are being recruited and promoted as they should have been all along.

But for those who are in fear of EEO leading to a take-over by women, take heart. Five years down the track with EEO, government departments and authorities report:

57 per cent of women employees hold support positions with few prospects of advancement; (eg, typists, clerical assistants) compared with 19 per cent males.

1.2 per cent of the female workforce are in trades positions against 15.4 per cent for their male counterparts

women earn less than men even when qualifications, length of employment, occupation and age are taken into account.

86.3 per cent of women earned less than \$21,000 compared with 55 per cent men.

At the top end only five per cent of those earning \$44,601 or more are women; 95 per cent men.

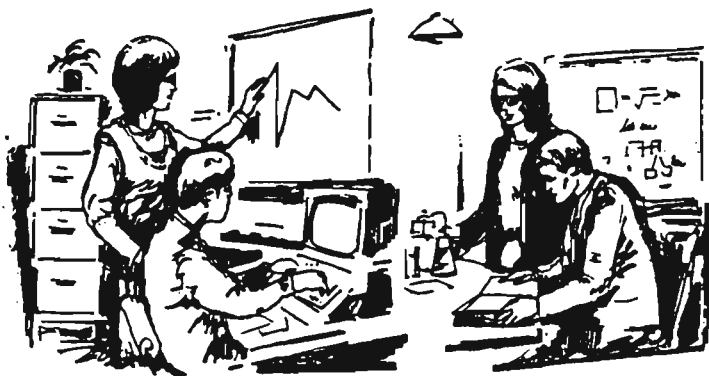
Hardly fearful information for men. Yes, there are improvements for women in pay levels and opportunities, but isn't it time that talent rather than gender be rewarded? It is also time for people with non-English speaking backgrounds, Aborigines and the disabled. But more statistics about those groups in other bulletins.

EEO is for everyone who supports the principles of efficiency and fairness and that applies to all workers—male or female from all backgrounds.

Kathy Rozmeta  
EEO Co-ordinator  
ext: 3917

### BOOK RECEIVED

*This is a School*, subtitled *The Story of Project Enrichment of Childhood Preschool Bourke, New South Wales*. Phillip de Lacey assisted by Dennis Hunt and Bill Cameron, with Graham Hendry, Steven Roodenrys and Michelle Eve. The University of Wollongong 1986.



## Staff Roundup

### SELECTION TECHNIQUES WORKSHOP

This two-day workshop, to be held on June 30 and July 1, is aimed at staff who are involved in the selection and appointment process.

The workshop will provide an opportunity for staff members to develop skills relating to the whole process including drafting job descriptions and advertisements, determining selection criteria, culling applications, interviewing techniques and assessing applicants. EEO principles and discrimination law, and their relationship to the process, will also be considered. Workshop participants will be able to practice the skills involved throughout the selection process.

Staff members wishing to nominate for this workshop should complete the nomination form available from the staff office (ext. 3798 or 3944). Closing date for nominations is June 6.

Further details: Wendy Raikes, ext 3798.

### EMERGENCY PLANS

The Occupational Health and Safety Committee has asked the Safety Officer to prepare some initial proposals for emergency procedures for the University.

This is a significant project and will cover a variety of emergencies and will include liaison with the various emergency services such as fire and ambulance.

There are, no doubt, members of staff who have been, or still are, volunteer members of such organisations as State Emergency Services, Bush Fire Brigades, Fire Brigade, or St John's Ambulance.

The Safety Officer would welcome any contact from such staff whose experience and ideas would be of great assistance.

An effective plan will obviously need key personnel in various locations and a masterplan. A considerable amount of work will be required and the committee would appreciate input from experienced staff.

Contact: Ken Moran, ext 3930.

### FIRST AID COURSE

The University is arranging a First Aid Course, principally to retrain its First Aid Officers. However, there will be a limited number of vacancies on the course for other staff interested in attending in a private capacity.

The course will involve two full days training leading to a First Aid Certificate (or renewal of an existing certificate) upon successful completion of an examination. It will be held at St John's Ambulance Association, 2 Gladstone Avenue, Wollongong, on June 17 and 19, with the 1½ hour examination on June 27. The cost of the course is \$54 per person.

Staff members interested in attending should contact Stephen Low (ext 3914) by June 6.

### POSITION APPLICATION AND INTERVIEW SKILLS WORKSHOP

This one-day workshop, to be held on June 24, is aimed at increasing staff members' skills in applying for positions, from preparation of the application to the interview stage.

The workshop will provide an opportunity for participants to become aware of the University's policy on advertisement and selection procedures, and to enhance and practise skills related to analysing their own abilities, writing a job application, preparing for and undergoing a job interview, and evaluating their performance throughout the process.

Staff members wishing to nominate for this workshop should complete the nomination form available from the Staff Office (ext 3798 or 3944). Closing date for nominations is June 10.

### SUPERANNUATION INFORMATION SESSIONS

Representatives from the State Superannuation Board will be visiting the University on June 18 to conduct information sessions on both the State Superannuation Fund (or "old" fund) and the State Public Service Superannuation Fund (or "new" fund).

Those wishing to attend should contact the Staff Office (ext 3944 or 3798) by June 6.

### CURRENT VACANCIES

- \* Incremental Clerk, Academic and Student Services, closing date June 3
- \* Professional Officer, Faculty of Science, closing date June 3
- \* Research Assistant, Psychology closing date June 4
- \* Secretary, Accountancy and Legal Studies, closing date June 4
- \* Clerk, Equal Employment Opportunity Unit, closing date June 6
- \* Professional Officer, Departments of Civil and Mining Engineering and Mechanical Engineering, closing date June 6
- \* Office Assistant, Buildings and Grounds, closing date June 6
- \* Secretary, Geology, closing date June 6
- \* Debtors Clerk, Finance Office, (under the Job Rotation Program), closing date June 6
- \* Assistant Secretary, Financial Services, closing date June 13
- + Lecturer, Health Sciences, closing date June 16
- + Lecturer, Creative Arts, closing date June 23
- + Lecturer, Industrial and Administrative Studies, closing date June 23

Further details: for those vacancies marked \*Gary Graham ext 3935; for those vacancies marked +Ross Walker, ext 3934.

### STAFF CHANGES

#### NEW STARTERS

Mr J.J. Franklin, Programme Development Officer, Centre for Technology and Social Change

Ms C.T. Sansey, Laboratory Assistant, Chemistry

Ms J. Jovanovski, Typist/Office Assistant, Planning and Development

Mr A. Saglica, Garden Labourer, Buildings and Grounds  
Mr G. Cavdarouski, Maintenance Assistant, Buildings and Grounds

Miss R. Boscaro, Cleaner, Buildings and Grounds

Ms R. Cappellini, Cleaner, Buildings and Grounds

Mrs G. Carrusca, Cleaner, Buildings and Grounds

Ms A. Smart, Cleaner, Buildings and Grounds

Miss V. Roskell, Cleaner, Buildings and Grounds

#### DEPARTURE

Mr M.Y. Ibrahim, Teaching Fellow, Mechanical Engineering

## Scholarships and Prizes

### ALEX CLARKE SCHOLARSHIP FOR HONOURS YEAR

At its meeting of April 18 the University Council approved the Alex Clarke scholarship for award, annually, to a student in the fourth year honours program. Closing date for applications and further details available from student enquiries.

### JAPANESE GOVERNMENT (MONBUSHO) SCHOLARSHIPS 1987

The Japanese Ministry of Education, Science and Culture (Monbusho) is offering scholarships to Australian citizens for study in Japan in 1987.

Both undergraduate and research scholarships are offered.

The five-year undergraduate scholarships are offered in the social sciences and humanities. Successful students will return to Australia with a "Gakushi" degree in Law, Politics, Economics, Business Administration, Education, Sociology, Literature, History, Philosophy, or Japanese Language.

Applicants must have reached matriculation standard, be aged 17 to 22 on 1 April 1987, and be willing to receive university education in Japanese.

The research awards are tenable for 18 months to two years. Applicants must be willing to study the Japanese language and to receive instruction in that language. Opportunities for postgraduate study in the humanities, social sciences, and natural sciences are available.

Applicants in this category must be graduates or final year students under 35 years on 1 April 1987.

Application forms for both categories from: The Secretary, Department of Education, (Japanese Government Monbusho Scholarships) PO Box 826, Woden Act 2606.

Closing date is July 4. Inquiries Del Froome (062) 837638.

*Continued overleaf*

## Sources of Funds

### PREVIOUSLY REPORTED IN CAMPUS NEWS

Name	Closing Date With Agency
NSW Theatre and Dance Awards	June 6
National Building Technology Centre	June 10
Sport and Recreation—Disabled Persons	June 13
Regional Environmental Plan	
—Sydney's Extractive Industry	June 13
Visual Arts Board	June 15
Australia Council: Touring and	
Access Fund	June 15
Australian Peace Award	June 16
Visual Arts and Crafts	June 27
Tobacco Research Council	June 30
C & V Ramaciotti Foundation	June 30
Victorian Law Foundation	
Historical Study	June 30
Australian Sports Commission: Coaching	July 4
Electrical Research Board—Grants & Scholarships	July 4
OPSM Research Foundation	July 18
1987 Science Exchange Visits	Sept 1
Research Into Drug Abuse	N/A
Australian Institute of Urban Studies	N/A
International Year of Shelter for	
the Homeless	N/A
Family Planning Program	N/A

## Friends

## Campus Community Interface

### NOTICE OF CHANGE OF MEETING DATES

Friends are asked to note the following changes of meeting dates.

Graduates Committee: Changes from July 16 to June 25 (same time and place)

Community Involvement Committee: changes from July 18 to July 4.

## Job Vacancies

Details of the positions listed below are on file in the *Campus News* Office — room G24A, on the ground floor in the administration building.

Adelaide	Lecturer (Tenurable) Department of Clinical and Experimental Pharmacology
James Cook	Lecturers (2 positions) Department of Electrical and Electronic Engineering
Newcastle	Lecturer in Japanese (Tenurable) Department of Modern Languages
	Lecturer in Accounting, Department of Commerce (fixed-term appointment)
Queensland	Lecturer in Pharmacy (Tenurable) Lecturer in Sociology, Department of Anthropology and Sociology (fixed term)
	Lecturer/Senior Lecturer/Reader in Management (fixed term 3 to 5 years) (tenurable) Department of Management
	Lecturer/Senior Lecturer in Psychology (organisational) (Tenurable)
Murdoch	Chair in Government and Politics School of Social Inquiry
Otago	Lecturer or Senior Lecturer in Economics, Department of Economics

## Seminars

### DEPARTMENT OF PHYSICS

To be held in the Physics Lecture Theatre Bldg. 18 Rm.118.

Date: Thursday June 5

Speaker: Dr Trevor Tansley, School of Mathematics and Physics, Macquarie University.

Topic: Nitride Semiconductors.

### BIRTH — A NORMAL PROCESS

At Seminar Room A, Centre for Continuing Education, Australian National University, Friday June 6.

Organised by the Centre for Continuing Education in co-operation with Canberra Homebirth Association.

Details from Birth Seminar, Centre for Continuing Education, Australian National University, GPO Box 4, Canberra ACT 2601.

*Continued overleaf*

## DEPARTMENT OF SOCIOLOGY

Wendy Bacon 'Researching Crime and Capitalism', Wednesday June 4 at 2 pm, Room 19.107. Inquiries Dr A. Jakubowicz ext 3744.

## PLANNING FOR THE CARE OF THE ELDERLY

This seminar on Tuesday June 10 will be of interest to anyone involved in and concerned about the future accommodation needs of the elderly and is complementary to the Hosplan seminar, 'Effective Management of Institutions for the Care of the Elderly', held on June 11.

The Recreation Hall, Kirkbride Block, Rozelle Hospital, Balmain Road, Lilyfield. Enquiries Mr Michael Stewart (02) 8182922.

## DESKTOP PUBLISHING

Two-day seminar by Management Technology Education Pty Ltd, June 18 and 19, at Hyatt Kingsgate, William Street, Sydney. Fees per delegate are, full, \$495, and group (three or more), \$445. Further details at *Campus News* or from John Murray (ext 3622) who is interested in making up a group.

## DEPARTMENT OF GEOGRAPHY

Date: Wednesday, June 4, 12.15 pm  
Venue: University of Wollongong, Room G03, Building 19  
Speaker: Dr Graham Houghton  
Topic: Paternalism, Power and Profits.

Date: June 11, Wednesday, 12.15 pm  
Venue: University of Wollongong, Room G03, Building 19  
Speaker: Professor Murray Wilson  
Topic: Delayed Child-Bearing in New South Wales

## DEPARTMENT OF PSYCHOLOGY

Date: June 12  
Speaker: Professor Donald Wallis, Department of Applied Psychology, University of Wales Institute of Science and Technology  
Topic: Occupational stress and satisfaction among hospital nurses  
Venue: Room G 010, North wing, Social Sciences Building, University of Wollongong

## SEMINARS

All members of the University are invited to attend a seminar hosted by the Centre for Education Policy Studies in the Faculty of Education. Dr Jean Blackburn (visiting Fellow, Research Centre for Women's Studies, University of Adelaide) will be discussing:

Later Policy Developments in Education in Victoria  
Time: 10.30 am to noon  
Date: Wednesday June 18  
Venue: Meeting room, Building 21  
Light lunch will follow.

If you will be attending advise Debbie McGavin (ext 3078) or Jane Cook (ext 3963) by Friday June 13.

## Advertisements

### TOWN HOUSE FOR RENT

Three bedrooms, l.u. garage, three way bathroom, downstairs loo, own front and back yard. Woonona between highway and beach \$75 per week phone 834894.

## Scholarships and Prizes

### THE CHARLES JOHN EVERARD POST-DOCTORAL SCHOLARSHIP

The C.J. Everard Scholarship is available to a graduate of the University of Adelaide to undertake research in the agricultural or horticultural sciences. The stipend will be on the scale \$23,473 – 24,158 – 24,843 – 25,525 – 26,205 – 26,889. Tenure is for one year in the first instance. Extension may be granted for a second year subject to satisfactory progress.

Application forms from the Scholarships Officer, Ms K Jaeger, Tel: 288 5697. Applications close on June 30.

### SCHOLARSHIP 1986

To attend a Language Course in the Federal Republic of Germany.

With the approval of the government of the Federal Republic of Germany, the Goethe Institute Munich is again offering language scholarships this year in Australia.

Teachers of German are excluded, as a special scholarship is provided for them.

Application forms from Goethe Institute, PO Box 37, Woollahra, NSW 2025.

### ANZAC FELLOWSHIPS 1987

Under the Anzac Fellowships Scheme a number of Australians will study, conduct research or further their professional experience in New Zealand next year.

The Anzac Fellowship Scheme assists Australians working in fields such as primary and secondary industry, commerce, education, the arts or public service to spend three to 12 months in New Zealand, following an approved program.

One of the major aims of the scheme, which is financed by the New Zealand and Australian Governments, is to foster good relations between the two countries.

Any Australian citizen may apply but preference is given to applicants who are under the age of 45. Active participation in the local community or an interest in community affairs would be an advantage.

Benefits provided by the fellowships include a maintenance allowance, the return air fare to Wellington, approved internal travel and tuition fees and medical insurance costs.

Assistance with air fares for dependants is provided, depending on the length of the fellowship.

Applications close on 18 July 1986 and information brochures are available from offices of the Commonwealth Department of Education throughout Australia.

Enquiries: Dick Grierson, Selection Committee Secretary Department of Education, (062) 83 7649.

### COMMONWEALTH SCHOLARSHIPS NEW ZEALAND AWARDS 1987

The New Zealand Government is offering scholarships to students from Australia under the Commonwealth Scholarship and Fellowship Plan. These scholarships are available in institutions of higher learning in New Zealand.

The Scholarships aim at providing opportunities for Commonwealth students normally resident in Australia to pursue advanced courses or to undertake research in New Zealand. They are intended for persons of high intellectual promise who may be expected to make a significant contribution to life in Australia on their return from study in New Zealand.

Closing date for receipt of applications varies with each Australian university and may be obtained from the Registrar's Office.